

CLAIMS

1. A composite fabric comprising (1) a white pigment-containing fiber that is a synthetic fiber that contains from 1% by weight or more to 6% by weight or less of a white pigment and/or a core-sheath composite fiber comprising a core portion that contains from 3% by weight or more to 15% by weight or less of a white pigment, and a sheath portion containing 2% by weight or less of a white pigment, and (2) a water-absorbent and water-diffusing fiber.

2. The composite fabric according to claim 1, wherein the white pigment-containing yarn is in such an arrangement that it uniformly covers the surface side of the fabric at a covering ratio of 40% or more to form the fabric structure.

3. The composite fabric according to claim 1, wherein the fabric has a multi-layered structure having two layers or more, the surface layer is formed of a synthetic fiber that contains from 1% by weight or more to 6% by weight or less of a white pigment and/or a core-sheath composite fiber comprising a core portion that contains from 3% by weight or more to 15% by weight or less of a white pigment, and a sheath portion containing 2% by weight or less of a white pigment, and one layer or more other than the surface layer is formed from a water-absorbent and water-diffusing fiber.

4. The composite fabric according to claim 1, wherein the fabric has a single layered structure, and the fabric is formed of (1) a synthetic fiber that contains from 1% by weight or more to 6% by weight or less of a white pigment and/or a core-sheath composite fiber comprising a core portion that contains from 3% by weight or more to 15% by weight or less of a white pigment, and a sheath portion containing 2% by weight or less of a white pigment, and (2) a water-absorbent and water-diffusing fiber.

5. The composite fabric according to any one of

claims 1 to 3, wherein the yarn forming the fabric is a multi-layered structure yarn having two layers or more, the outermost layer of the yarn is a synthetic fiber that contains from 1% by weight or more to 6% by weight or less of a white pigment and/or a core-sheath composite fiber comprising a core portion that contains from 3% by weight or more to 15% by weight or less of a white pigment, and a sheath portion containing 2% by weight or less of a white pigment, and one layer or more of the core layers is a water-absorbent and water-diffusing fiber.

6. The composite fabric according to claims 1 or 3, wherein the yarn forming the fabric is a single layered structure yarn, and the yarn comprises (1) a synthetic fiber that contains from 1% by weight or more to 6% by weight or less of a white pigment and/or a core-sheath composite fiber comprising a core portion that contains from 3% by weight or more to 15% by weight or less of a white pigment, and a sheath portion containing 2% by weight or less of a white pigment, and (2) a water-absorbent and water-diffusing fiber.

7. The composite fabric according to any one of claims 1 to 5, wherein the water-absorbent and water-diffusing fiber is composed of a synthetic fiber containing 1% by weight or more of a white pigment.

8. The composite fabric according to any one of claims 1 to 5, wherein an elastic fiber is mixed.

9. The composite fabric according to any one of claims 1 to 7, wherein the water-absorbent and water-diffusing fiber satisfies the following numerical values:

$$X \geq 1.6 \text{ and } Y \geq 3$$

wherein $X = a \times b / 100$ [wherein a = an apparent density = METSUKU ($\text{g}/100 \text{ cm}^2$)/thickness (mm), and b is a water-retention ratio (%)], and $Y = c/a$ [wherein c is a diffusion area (cm^2)].

10. The composite fabric according to any one of

4B
A3

Sub
N3
Center

claims 1 to 8, wherein the water-absorbent and water-diffusing fiber is composed of a fiber component of a W-shaped cross-sectional polyester filament.

1. A water-absorbent and water-diffusing fiber comprising a polyester filament having a W-shaped cross-section.